

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1609 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	02/11/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7848311 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	301179 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, No Data

Land Form

Rel/Slope Class:	Rolling rises 9-30m 10-32%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	10 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Dermosol Medium Very gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Gn3.12
ASC Confidence:	Great Soil Group:	Euchrozem

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Heteropogon contortus, Heteropogon triticeus Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia species

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 50-90%, coarse gravelly, 20-60mm, angular, Quartzite

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, angular, Quartzite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
B21	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 50-90%, coarse gravelly, 20-60mm, angular, Quartzite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Gradual change to -
B22	0.3 - 0.7 m	Strong brown (7.5YR4/6-Moist); Mottles, 10R46, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 50-90%, coarse gravelly, 20-60mm, angular, Quartzite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.5);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile